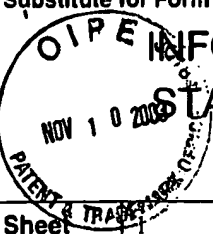


Substitute for Form 1449/PTO <div style="text-align: center;">  <h2 style="margin: 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="margin: 0;">(use as many sheets as necessary)</p> </div>				Complete if Known	
		Application Number		10/661,163	
		Filing Date		September 12, 2003	
		First Named Inventor:		Harry Bims	
		Art Unit		To be assigned	
		Examiner Name		To be assigned	
		Attorney Docket Number		005878.P009X	
Sheet 1		of 5			

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ²	Number-Kind Code ² (if known)			
JA ↓		US-	5,479,400	12-26-1995	Dilworth et al.	
		US-	5,815,811	09-29-1998	Pinard et al.	
		US-	5,903,834	05-11-1999	Wallstedt et al.	
		US-	5,979,757	11-09-1999	Tracy et al.	
		US-	6,002,918	12-14-1999	Heiman et al.	
		US-	6,067,297	05-23-2000	Beach	
		US-	6,084,528	07-04-2000	Beach et al.	
		US-	6,178,426 B1	01-23-2001	Klein et al.	
		US-	6,188,681 B1	02-13-2001	Vesuna	
		US-	6,199,753 B1	03-13-2001	Tracy et al.	
		US-	6,404,772 B1	06-11-2002	Beach et al.	
		US-	6,405,049 B2	06-11-2002	Herrod et al.	
		US-	6,411,608 B2	06-25-2002	Sharony	
		US-	6,594,475 B1	07-15-2003	Anvekar et al.	
			US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ²	Number-Kind Code ² (if known)				
JA		WO	96/22636	07-25-1996	MacNamee		

Examiner Signature	/Joel Ajayi/	Date Considered	01/08/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS.

SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing this form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known		
				Application Number	10/661,163	
				Filing Date	September 12, 2003	
				First Named Inventor:	Harry Bims	
				Art Unit	To be assigned	
				Examiner Name	To be assigned	
				Attorney Docket Number	005878.P009X	
Sheet 2 of 5						
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ²	Number-Kind Code ³ (if known)			
JA		US-	4,534,061	08-06-1985	Ulug	
		US-	5,461,627	10-24-1995	Rypinski	
		US-	5,507,035	04-09-1996	Bantz et al.	
		US-	5,594,731	01-14-1997	Reissner	
		US-	5,636,220	06-03-1997	Vook et al.	
		US-	5,717,688	02-10-1998	Belanger et al.	
		US-	5,774,461	06-30-1998	Hyden et al.	
		US-	5,825,776	10-20-1998	Moon	
		US-	5,862,481	01-19-1999	Kulkarni et al.	
		US-	5,875,186	02-23-1999	Belanger et al.	
		US-	5,923,702	07-13-1999	Brenner et al.	
		US-	5,987,062	11-16-1999	Engwer et al.	
		US-	5,991,287	11-23-1999	Diepstraten et al.	
		US-	6,038,448	03-14-2000	Chheda et al.	
		US-	6,058,106	05-02-2000	Cudak et al.	

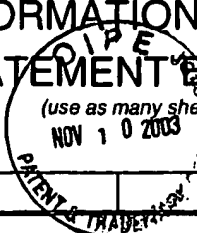
FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ²	Number ³	Kind Code ³ (if known)				

Examiner Signature	/Joel Ajayi/	Date Considered	01/08/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> <div style="text-align: center;">  </div>				Complete if Known		
				Application Number	10/661,163	
				Filing Date	September 12, 2003	
				First Named Inventor:	Harry Bims	
				Art Unit	To be assigned	
				Examiner Name	To be assigned	
				Attorney Docket Number	005878.P009X	
Sheet	3	of	5			
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ Kind Code ⁵ (if known)			
JA		US-	2002/0075825 A1	06-20-2002	Hills et al.	
		US-	2002/0060995 A1	05-23-2002	Cervello et al.	
		US-	2001/0024953 A1	09-27-2001	Balogh	
		US-	6,259,898	07-10-2001	Lewis	
		US-	6,097,707	08-01-2000	Hodzic et al.	
		US-	6,130,896	10-10-2000	Lueker et al.	
		US-	6,137,791	10-24-2000	Frid et al.	
		US-	6,137,802	10-24-2000	Jones et al.	
		US-	6,243,581	06-05-2001	Jawanda	
		US-	6,253,082	06-26-2001	Hengeveld	
		US-	6,285,665	09-04-2001	Chuah	
		US-	6,452,915 B1	09-17-2002	Jorgensen	
		US-	6,501,582 B2	12-31-2002	Chiou et al.	
		US-	6,522,880 B1	02-18-2003	Verma et al.	
		US-	6,556,547 B1	04-29-2003	Srikanth et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Joel Ajayi/	Date Considered	01/08/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/661,163
				Filing Date	September 12, 2003
				First Named Inventor:	Harry Bims
				Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket Number	005878.P009X
Sheet	4	of	5		

RECEIVED
 NOV 10 2003
 PATENT & TRADEMARK OFFICE

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
JA		US-	2002/0188723 A1	12-12-2002	Choi et al.	
JA		US-	2002/0167965 A1	11-14-2002	Beasley et al.	
JA		US-	2002/0131386 A1	09-19-2002	Gwon	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature	/Joel Ajayi/	Date Considered	01/08/2007
--------------------	--------------	-----------------	------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitut for Form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/661,163
				Filing Date	September 12, 2003
				First Named Inventor:	Harry Bims
				Art Unit	To be assigned
				Examiner Name	To be assigned
				Attorney Docket Number	005878.P009X
She t	5	of	5		
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published			T ²
JA		BAHL, Paramvir and PADMANABHAN, Venkata N., "RADAR: An In-Building RF-based User Location and Tracking System," Proceedings of IEEE INFOCOMM 2000, March 2000, pp. 775-784.			
JA		Lucent Technologies Inc., Orinoco Manager Suite – User's Guide, November 2000			
JA		MESSIER, Andrew et al., "Performance Monitoring of a Wireless Campus Area Network," Local Computer Networks, 1997, Proceedings, 22 nd Annual Conference on November 1997, pp. 232-238			
JA		PCT International Search Report mailed April 15, 2003 for International Application No.: PCT/US03/00783 (4 pages)			
JA		PCT International Search Report mailed April 25, 2003 for International Application No. PCT/US03/0782			

Examiner Signature	/Joel Ajayi/	Date Considered	01/08/2007
-----------------------	--------------	--------------------	------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. **DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.